

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-28927
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Calais Resources, Inc.		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR c/o William M. Berryman, 423 University Bldg. 910 16th St., Denver, CO 80202		8. FARM OR LEASE NAME ⁶²⁰ Horseshoe Bend Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 649' FSL 821' FWL (SW SW) SEC 27-T6S-R22E At proposed prod. zone same		9. WELL NO. 14-27
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15 miles south of Vernal, Utah		10. FIELD AND POOL, OR WILDCAT
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 649'	16. NO. OF ACRES IN LEASE 880	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 27-T6S-R22E SLM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NA	19. PROPOSED DEPTH 3475	12. COUNTY OR PARISH Uintah
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5098 GR		13. STATE Utah
22. APPROX. DATE WORK WILL START* 12-20-83		

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24 #	200'	Circ. to surface
7 7/8	5 1/2	15.5	3475'	Sufficient to seal all productive zones

See Attached

- 1) Ten Point Drilling Program
- 2) Multipoint Surface Use and Operation Plan
- 3) Cultural Resource Survey Report

DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED William M. Berryman TITLE Agent DATE _____

(This space for Federal or State office use)

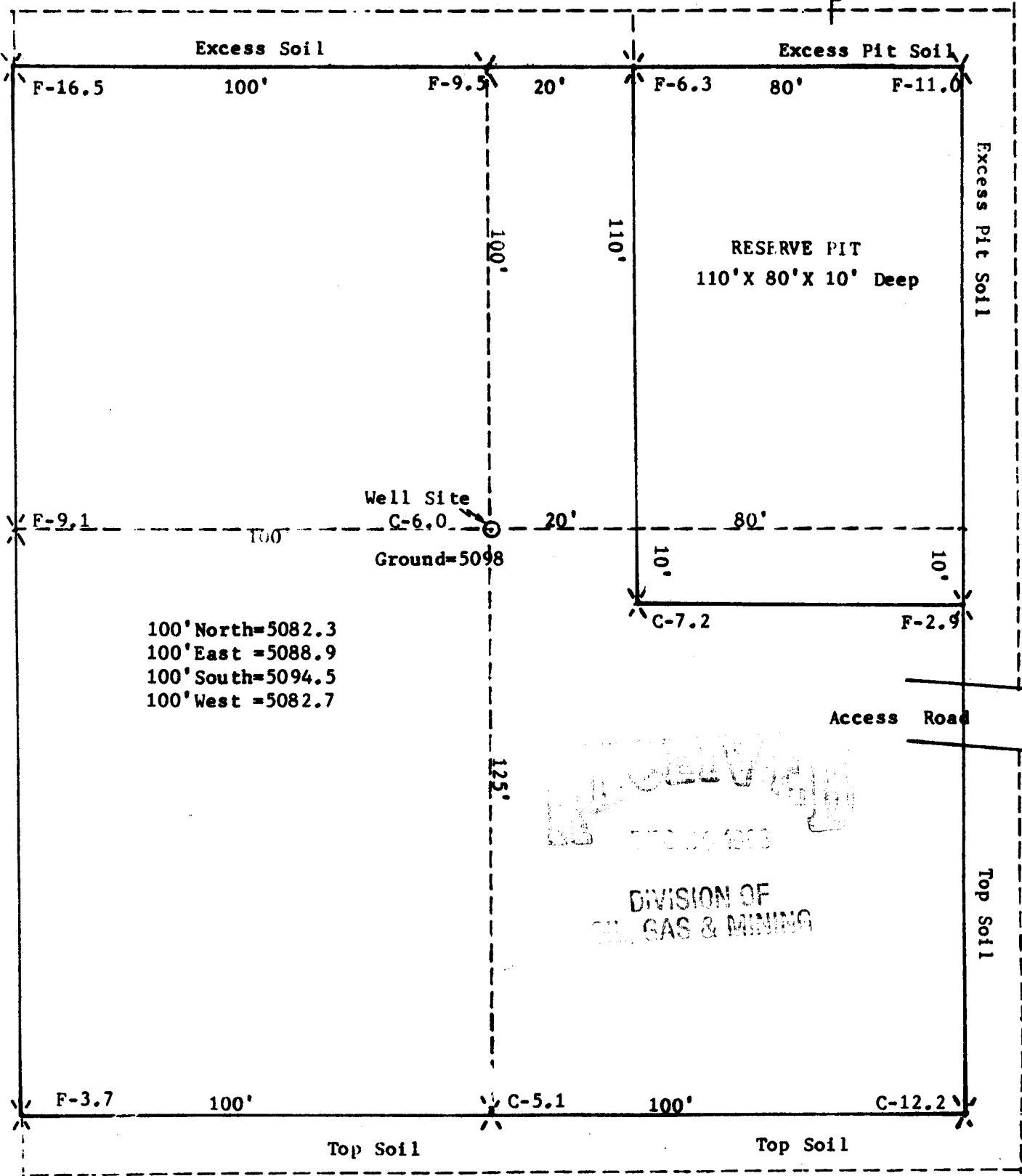
PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

12-22-83

CALAIS RESOURCES INC.
Horseshoe Bend Federal
#14-27 Sec.27,T6S.,R22E.
649'FSL.&821'FWL.
Uintah County, Utah.



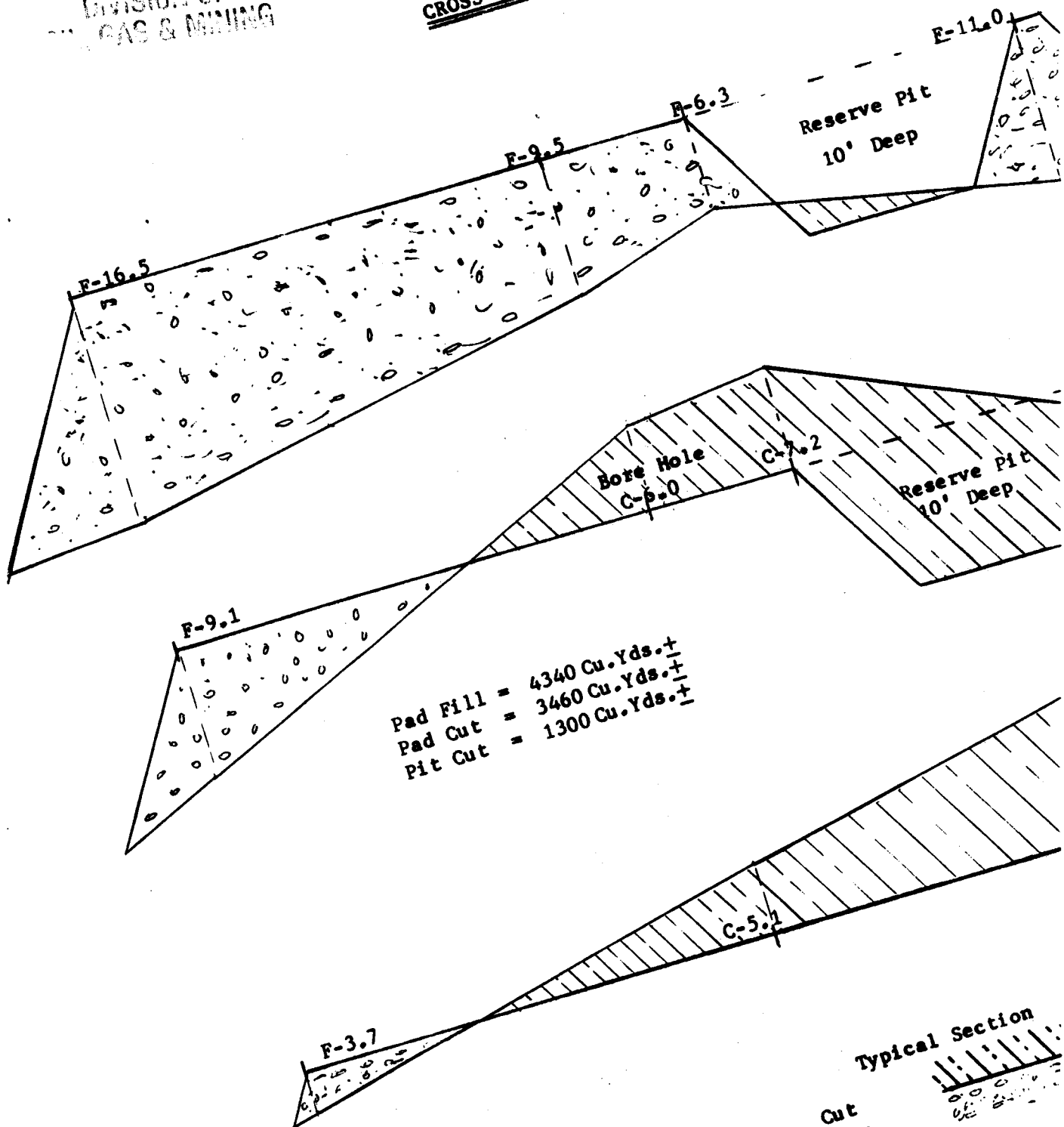
Prepared by:
R. Johanson
Powers Elevation
Nov. 10, 1983

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FEB 26 1965

CALAIS RESOURCES INC.
Horseshoe Bend Federal
Utah County, Utah.
649' FSL. & 821' FWL.
Sec. 27, T6S., R22E.

DIVISION OF
GAS & MINING

CROSS SECTIONS



Pad Fill = 4340 Cu.Yds.+
Pad Cut = 3460 Cu.Yds.+
Pit Cut = 1300 Cu.Yds.+

Scale:
Horiz. 1" = 30'
vert. 1" = 10'

Typical Section
Cut
Fill

TEN POINT PROGRAM

1) GEOLOGIC SURFACE FORMATION

The surface formation is Uinta.

2 & 3) GEOLOGIC MARKERS AND PRODUCTIVE INTERVALS

<u>Formation</u>	<u>Estimated Top</u>	<u>Possible Production</u>
Uinta "B" Marker	2970	
Uinta Green River Transition	3280	H
Green River	3460	H
T. D.	3475	

W = water H = Hydrocarbon (oil or gas) C = Coal S = Steam

4) CASING PROGRAM

<u>Hole Size</u>	<u>Casing Size</u>	<u>Grade</u>	<u>Weight</u>	<u>Thrd & Cond</u>	<u>Depth</u>
12 1/4	8 5/8	K-55	24.0	STC	200'
7 7/8	5 1/2	K-55	15.5	STC	TD

5) CONTROL EQUIPMENT SPECIFICATIONS

As checked below the following equipment will be utilized for detection and control during the drilling operation.

BLOW OUT PREVENTORS

Size 10" Pressure Rating 3000 PSI

Pipe Rams 4 1/2 Blind Rams yes Pipe Rams no

Annular Preventor no

[Handwritten signature]
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Rotating Head No

Kill Line Size 2" x 3000 PSI Valves 2" x 3000 PSI Check 2" x 3000 PSI

MANIFOLD

Size 2" Valves 2" Pressure 3000 PSI

Positive Choke yes Adjustable Choke yes

Hydraulic Choke no

Power Operated Valve no

See Exhibit I attached for additional detail BOP Equipment will be installed prior
to drilling below 8 5/8" casing, BOP's and casing will be tested to 1000 PSI using rig
pump.

6) DRILLING FLUIDS

<u>Interval</u>	<u>Type Fluid</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>	<u>Remarks</u>
0-200'	Gel-Lime	9.0	35-40	N/C	
200-TD	Low solids	8.6 - 9.0	27-29	12-15	
	Non dispersed				

Possible Sub Normal Pressured Zones Green River

Possible Abnormal Pressured Zones None

7) AUXILIARY EQUIPMENT

Upper Kelly Cock yes

Lower Kelly Cock no

Floor Valve DP yes

Floor Valve DC yes

Float in DC per contractor specifications

Inside BOP (Dart Valve) no

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ADDITIONAL DETECTION EQUIPMENT & SERVICE

Mud Logging Unit	<u>NO</u>
Pit Volume Totalizer	<u>no</u>
Flow Line Sensor	<u>no</u>
Flow Line Temperature	<u>no</u>
Sour Gas Detector	<u>no</u>
Pump Stroke Counter	<u>no</u>
Degasser	<u>no</u>
Mud Gas Separator	<u>no</u>
Drilling Data Unit	<u>no</u>
Other	<u>none</u>

8) EVALUATION

A) Testing

All significant hydrocarbon shows will be drill stem tested. There will probably be 2 DST's

B) Logging

<u>Depth</u>	<u>Electric Wireline Logs</u>	<u>Interval</u>
Total Depth	DIL/GR, FDC/CNL	200'-TD

C) Coring

<u>Formation</u>	<u>Type Core</u>	<u>Analysis</u>
none		

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JUN 10 1983
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9) DRILLING HAZARDS

10) STARTING DATE 12/20/83 DURATION 8 DAYS.

DRILLING PROGRAM PREPARED BY: C. LEE MUELLER

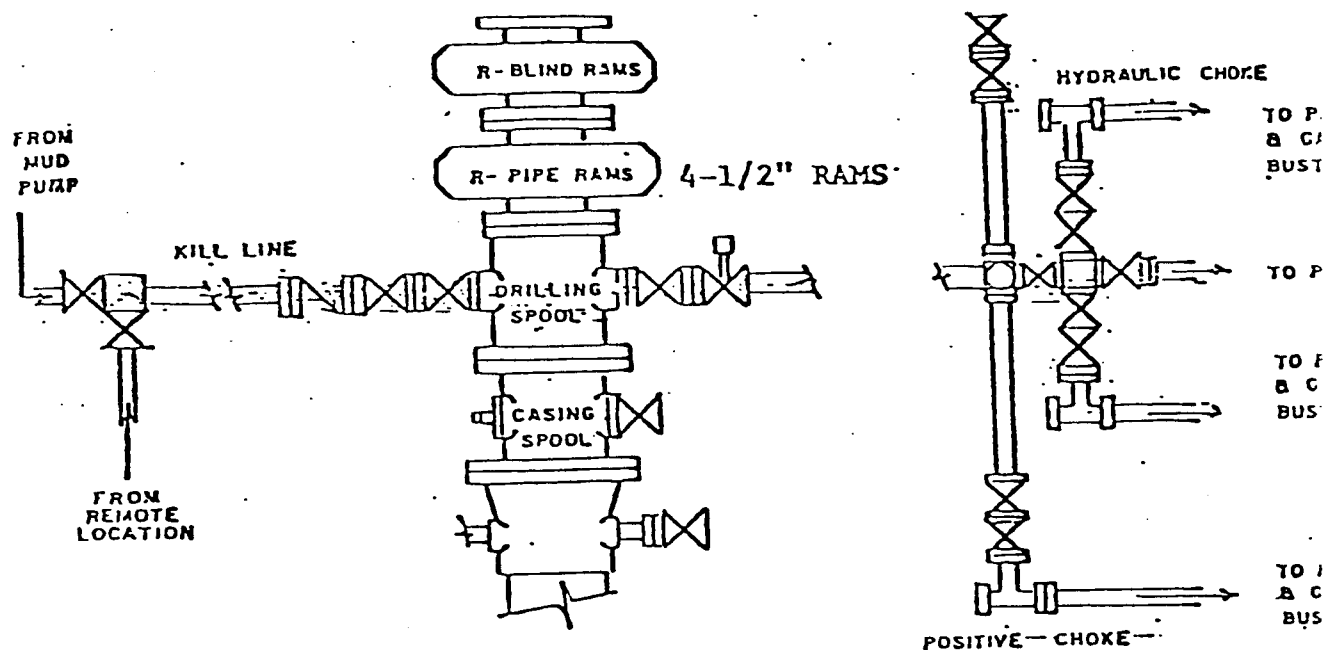

C. LEE MUELLER

DEC 20 1983

(EXHIBIT 1)

3000 psi

psi Working Pressure BOP's



Note: Pipe rams to be operated daily. Blind rams to be operated each trip.

Test Procedure

- 1) Flush BOP's and all lines to be tested with water.
- 2) Run test plug on test joint and seat in casing head (leave valve below test plug open to check for leak).
- 3) Test the following to rated pressure:
 - a) inside blowout preventer
 - b) lower kelly cock
 - c) upper kelly cock
 - d) stand pipe valve
 - e) lines to mud pump
 - f) kill line to BOP's
- 4) Close and test pipe rams to rated pressure.
- 5) Close and test Hydril to rated pressure.
- 6) Back off and leave test plug in place. Close and test blind rams to rated pressure.
- 7) Test all choke manifold valves to rated pressure..
- 8) Test kill line valves to rated pressure.

1) EXISTING ROADS

See attached topographic maps A & B. Directions: take Highway 40 south from Vernal. Continue south when highway 40 veers east for a total of 16 miles and turn north on highway 264 for 2 1/4 miles. The location will be west of the highway approximately 1/8 mile.

2) PLANNED ACCESS ROAD

Onsite inspection field comments:

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2) PLANNED ACCESS ROAD

See attached topographic map A. It will be necessary to construct approximately .25 miles of new road to connect the existing road with the proposed location. Construction of the new road will meet the following standards.

Maximum grade should not exceed 7% (7' per 100). The trail will be an 18" crown road (9' on either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run off from any normal meteorological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

The road will be centerline flagged prior to the commencement of construction.

No major cuts or fills appear necessary. No culverts will be needed. See Topo Map B.

The grade of this road will be constructed from native borrow accumulated during construction.

Any fences that are encountered along this access road will be cut and replaced with a cattleguard with a minimum width of 18' and a loading factor large enough to facilitate the heavy trucks required in the drilling production of this well.

If cattleguards are to be located at existing gates, they will be installed with the above requirements with a new gate installed at one end of the cattleguard.

Onsite inspection field comments:

3) LOCATION OF EXISTING WELLS

Within a one mile radius the following wells are identified by category and listed below.

1. Water wells - none
2. Abandoned wells - producing - none

Dry holes - NWN 34-6S-22E
 SESE 26-6S-22E
3. Temporarily abandoned wells - none
4. Disposal wells - none
5. Drilling wells - none
Locations: SWSW 25-6S-22E
 SWSW 27-6S-22E
 SWSW 35-6S-22E
6. Producing wells - none
7. Shut-in wells - none
8. Injection wells - none
9. Monitoring or observation wells - none

4) LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES AND PRODUCTION GATHERING AND SERVICE LINES

At the present time there are no Calais Resources, Inc. batteries, production facilities, oil gathering lines, gas gathering lines, injection or disposal lines within a two mile radius.

In the event that production of this well is established, then the existing area of the location will be utilized for the establishment of the necessary production facilities.

This area will be built, if possible, with the native materials and if these materials are not available, then the necessary arrangements will be made to get them from private sources.

The total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities.

The rehabilitation of the disturbed area that is not required for the production of this well will meet the requirements of Items #7 and #10 and these requirements and standards will be adhered to.

If production facilities are necessary, these facilities will be constructed as shown in Figure 1.

Onsite inspection field comments:

5) LOCATION AND TYPE OF WATER SUPPLY

Water will be hauled from the Green River by truck. A state water permit will be provided by the trucking firm.

The existing roads and proposed roads previously noted will be all that are needed. No water well will be drilled for this operation.

Onsite inspection field comments:

6) SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials accumulated during construction of the location site and access road. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required the appropriate actions will be taken to acquire them from private sources.

7) METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet. A reserve and burn pit will be constructed.

The reserve pit will be approximately 8' deep and at least one half of this depth shall be below the surface of the existing ground.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals. A test tank will be used to contain produced fluids.

If deemed necessary by the agencies concerned, to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed at such time as deemed necessary to protect the water fowl, wildlife, domestic animals.

On the onset of drilling, this reserve pit will be fenced on three sides and at the time the drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and reclamation activities are attempted.

When the reserve pit dries and the reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

Trash will be placed in a completely enclosed container and hauled off the location.

All flammable materials will be burned and then buried upon completion of this well.

A portable chemical toilet will be supplied for human waste.

8) ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9) WELL SITE LAYOUT

See attached Location Layout Sheet. The B.L.M. District Manager shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area. Then the pits will be lined with a gel and any other type material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10) PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet and Item #9.) When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

As mentioned in Item #7, the reserve pit will be completely fenced and wired and overhead wire and flagging installed, if there is oil in the pits, and then allowed to completely dry before covering.

Restoration activities shall begin as soon as possible after the reserve pit has dried up, and will be completed without undue delay.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11) OTHER INFORMATION

The drillsite is located in an area of moderate slope (see cross section). The Surface is the Uinta formation, light brown sandy clay with sparse sagebrush cover. There are no trees on the proposed location.

General use of the surface is grazing. The new road and location are federally owned.

An archeological report will be filed on this prospect under separate cover.

The closest water is located in the Green River.

Onsite inspection field comments:

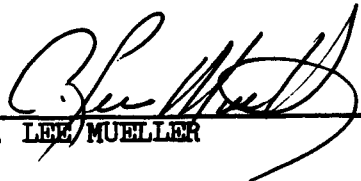
12) LESSEE'S OR OPERATOR'S REPRESENTATIVE

C. Lee Mueller
5000 Lakeshore Drive
Littleton, Colorado 80123
Telephone - 303-795-7665

William M. Berryman
Calais Resources, Inc.
423 University Building
910 16th Street
Denver, Colorado 80202
Telephone - 303-629-1523

13) CERTIFICATION

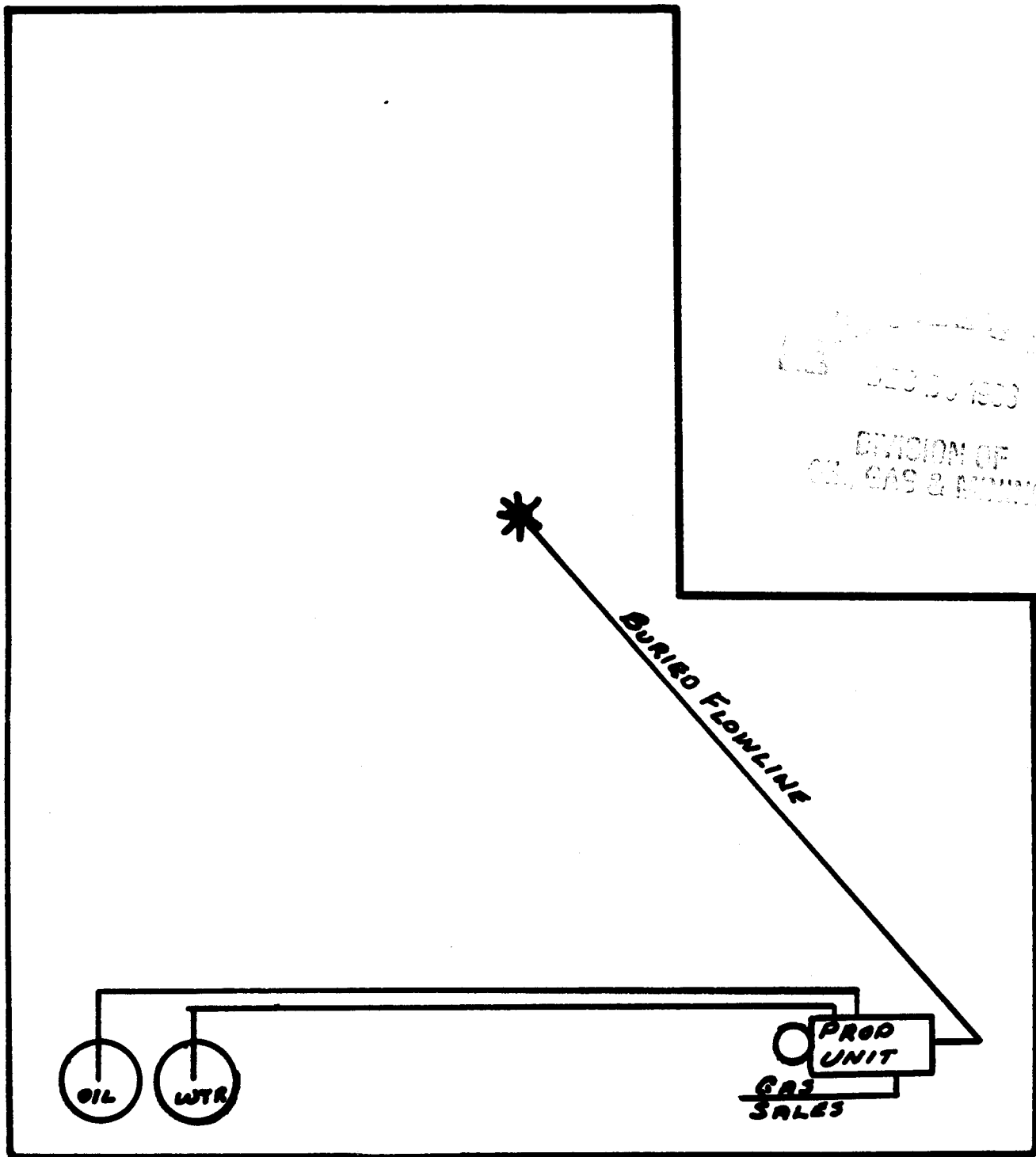
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route. That I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Calais Resources, Inc. and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.


C. LEE MUELLER

I hereby certify that C. Lee Mueller as my agent, has prepared the drilling program, Application for Permit to Drill and supplemental information contained herein. I have reviewed this application and hereby acknowledge that the plans, terms and conditions outlined herein will be performed by Calais Resources, Inc.

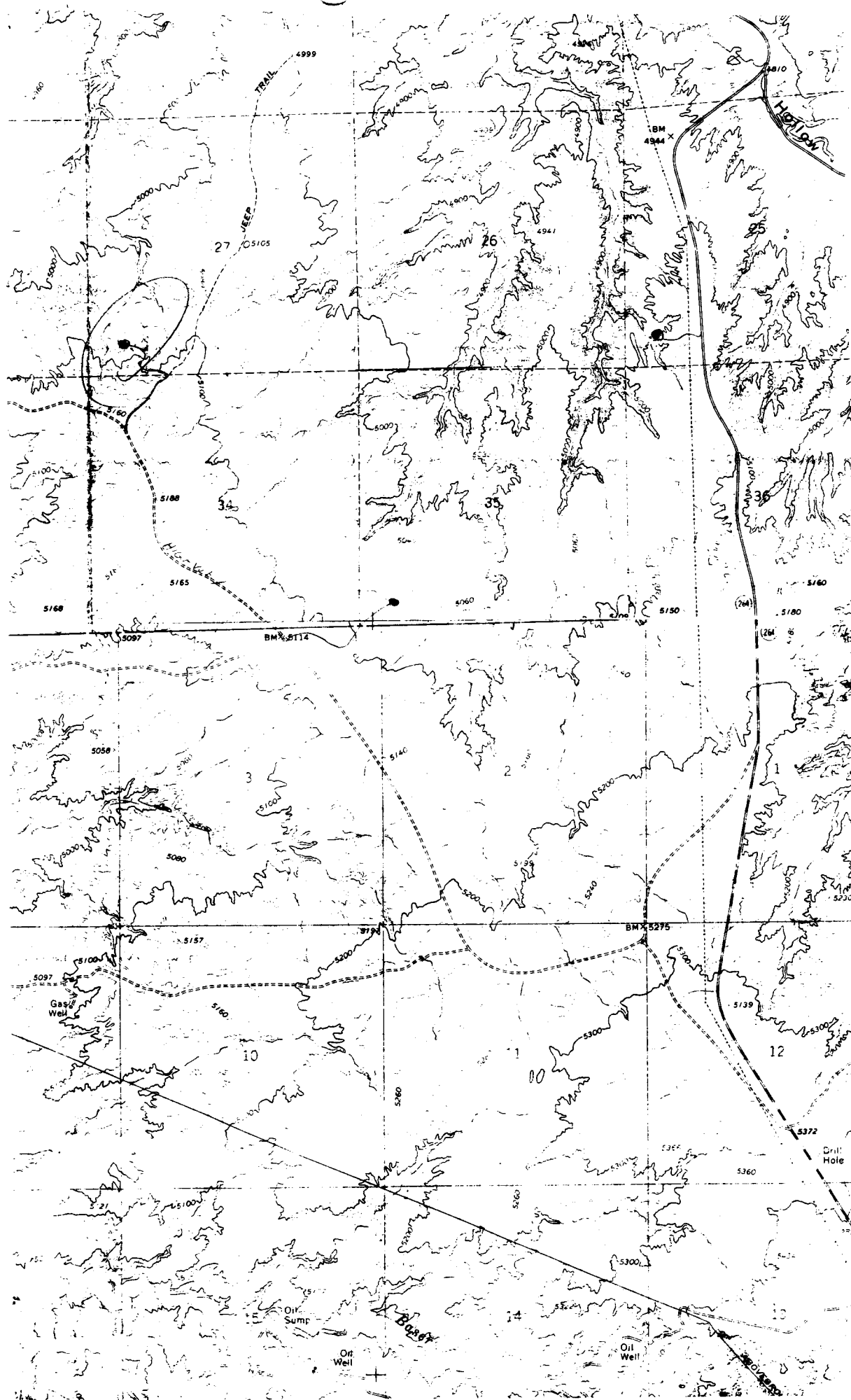

WILLIAM M. BERRYMAN

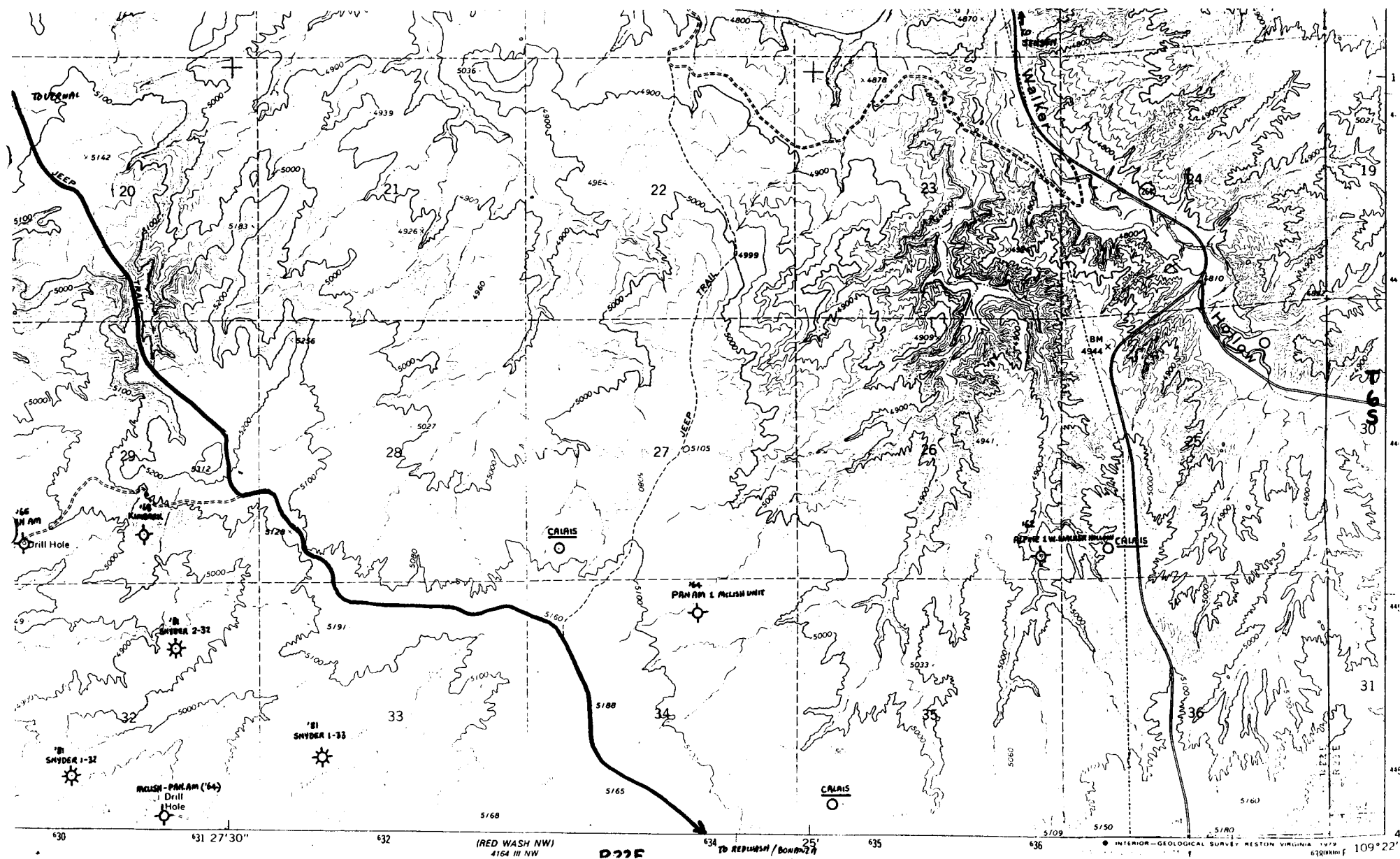
CALAIS RESOURCES, INC.
HORSESHOE BEND FEDERAL
UINTAH CO. UTAH



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DIVISION OF
OIL, GAS & MINING







POWERS ELEVATION

OIL WELL ELEVATIONS — LOCATIONS
ENVIRONMENTAL — ARCHAEOLOGICAL SERVICES
600 SOUTH CHERRY STREET, SUITE 1201
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

November 16, 1983

Mr. C. Lee Mueller
Calais Resources, Inc.
5000 Lakeshore Drive
Littleton, CO 80123

Dear Mr. Mueller:

Enclosed is the cultural resource survey report for the following Calais Resources, Inc., location:

Horseshoe Bend Federal 14-27
Uintah County, Utah

A BLM Class-III pedestrian survey and an inspection of existing records were performed for this location by Powers Elevation. No cultural resources were found either in the literature or pertinent site files, or during our field survey.

In view of this lack of cultural resources, we recommend that the proposed project be allowed to proceed.

If you have any questions regarding this report, please feel free to contact this office.

Sincerely,

Marcia J. Tate

Marcia J. Tate
Manager
Archaeology Department

MJT:sr

cc: BLM, Vernal District, (2)
State Archaeologist/SHPO
Mr. Richard Fike, BLM State Archaeologist
Mr. Brian O'Neil, M.A., District Archaeologist

enclosures

DIVISION OF
OIL & GAS

1. Report Title Horseshoe Bend Federal 114-27 40

2. Development Company Calais Resources, Inc.

3. Report Date 11 11 98 3 4. Antiquities Permit No. 82-UT-218

5. Responsible Institution Powers Elevations County Uintah

6. Fieldwork Location: TWN 6S Range 22E Section(s) 27
649' FSL, & 62 65 66 69 70 71 72 73 74 75 76 77
821' FWL TWN 78 Range 82 Section(s) 86 87 88 89 90 91 92 93
TWN 94 Range 98 Section(s) 102 103 104 105 106 107 108 109

7. Resource Area BC TWN 94 Range 98 Section(s) 102 103 104 105 106 107 108 109

PO= PONY EXPRESS, BR= BEAR RIVER, PR= PRICE RIVER, WS= WARM SPRINGS
BC= BOOK CLIFFS, HR= HOUSE RANGE, SE= SEVIER RIVER
HM= HENRY MOUNTAINS, BE= BEAVER RIVER, DX= DIXIE
KA= KANAB, ES= ESCALANTE, SJ= SAN JUAN, GR= GRAND
SR= SAN RAFAEL, DM= DIAMOND MOUNTAIN.

Fill in spaces 65, 69, 81, 85, 97, 101 Only
V= Vernal Meridian
H= Half Township

9. Linear Miles Surveyed

--	--	--	--	--

 112

--	--	--	--	--

 117
 Definable Acres Surveyed

1	5			
---	---	--	--	--

 and/or

--	--	--	--	--

 118

--	--	--	--	--

 123
 * Legally Undefinable Acres Surveyed

--	--	--	--	--

 (* A parcel hard to cadastrally locate i.e., center of section)

--	--	--	--	--

 124

--	--	--	--	--

 129

13, Collection: $\frac{N}{136}$ Y=Yes, N=

14. Actual/Potential National Register Properties Affected: None.

17. Signature Brian O'Neil
* For extra locations use additional 8100-3 forms.

Calais Resources, Inc.
Horseshoe Bend Federal 14-27
649' FSL, & 821' FWL,
Section 27, T.6S., R.22E.
Uintah County, Utah



Looking east at center stake

LS
DEC 22 1963
DIVISION OF
OIL, GAS & MINING

Calais Resources, Inc.
Horseshoe Bend Fed. 14-27
649' SL, & 821' FWL,
Section 27, T.6S., R.22E.
Rasmussen Hollow, 7.5', 1956
Uintah County, Utah

Calais Resources,
Inc., Horseshoe Bend
Fed. 14-27 & access

SCALE 1:24 000

1 KILOMETER

INTERIOR-GEOLOGICAL SURVEY WASHINGTON D. C. - 1967

OPERATOR CALAIS RESOURCES INC DATE 12-22-83
WELL NAME HORSESHOE ISLAND TEB 14-27
SEC SW SW 27 T 6S R 22E COUNTY WINTAH

43-047-31425
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

MAP

☐

HL

☐

NLD

☐☐

PI

PROCESSING COMMENTS:

NO GAS WELLS WITHIN 9960'

NEW OPERATOR

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

DATE: 12-22-83

BY: [Signature]

CHIEF PETROLEUM ENGINEER REVIEW:

12/22/83

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☐

c-3-a

CAUSE NO. & DATE

☒

c-3-b

☐

c-3-c

SPECIAL LANGUAGE:

WATER

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☒ APPLY SPACING CONSIDERATION

☐ ORDER NO

☐ UNIT NO

☒ c-3-b

☐ c-3-c

DATE _____
OFFICE OF MINING
RECLAMATION DIVISION OF
APPROVED BY THE STATE

☒ CHECK DISTANCE TO NEAREST WELL.

☒ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

☒ VERIFY LEGAL AND SUFFICIENT DRILLING WATER

December 22, 1983

Calais Resources, Inc.
c/o Williams M. Berryman
423 University Bldg.
910 16th Street
Denver, Colorado 80202

RE: Well No. Horseshoe Bend Fed. 14-27
SWSW Sec. 27, T. 6S, 22E
649' FSL, 821' FWL
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure. Prior to spudding, a copy of the Utah Division of Water Rights (Phone No. 801-533-6071) approval for use or purchase of drilling water must be submitted to this office, otherwise this approval is void.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-047-31425.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/as
cc: Branch of Fluid Minerals
Encl.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Calais Resources Well No. 14-27
Location Sec. 27 T 6S R 22E Lease No. U-28927
Onsite Inspection Date November 28, 1983

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. All fresh water and prospectively valuable minerals (as described by BIM at onsite) encountered during drilling, will be recorded by depth, cased and cemented. All oil and gas shows will be tested to determine commercial potential.
2. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.
3. Mud Program and Circulating Medium:

The APD describes the mud weights and desired mud viscosities for the drilling project. No chromates are to be used without the approval of the Vernal Engineering Staff.

4. Coring, Logging and Testing Program:

Run adequate electric, sonic, radioactivity and caliper logs to identify prime oil shale zones and fresh water aquifers. Casing and cementing programs will be adjusted to protect oil and gas zones, other minerals and fresh water.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

5. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, directly with Royalty Management Accounting Center, Minerals Management Service, P. O. Box 2859, Casper, Wyoming 82602, and a copy forwarded to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than the first business day following the date on which the well is placed on production.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the SO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

(The following stipulations apply to the Surface Use Plan)

6. Planned Access Roads: About 1,200 feet of new road and 1,000 feet of upgraded jeep trail will be required.
 - a. Width: An 18 foot wide crowned road on a 30 foot right-of-way.
 - b. Maximum grades: 8 percent
 - c. Turnouts: None planned

All travel will be confined to existing access road rights-of-way.

7. Location of Tank Batteries and Production Facilities:

All permanent (on site for six months or longer) structures constructed or installed (including oil well pumpjacks) will be painted a flat, non-reflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5 State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain $1\frac{1}{2}$ times the storage capacity of the battery.

Tank batteries will be placed on the south side of the pad.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and anchored securely at the meter. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

Construction material will be located on lease.

8. Methods of Handling Waste Disposal:

The reserve pit will not be lined.

Burning will not be allowed. All trash must be contained and disposed of by use of a trash cage during drilling operations and then hauled to an approved disposal site.

Produced waste water will be confined to this reserve pit for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.

9. Well Site Layout:

The reserve pit and pad will be located as indicated in the APD.

The stockpiled topsoil will be stored near the southwest corner of the pad. The top 4-6" of topsoil will be stockpiled.

A drainage on the west side of the pad will be diverted around the pad.

Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire.

10. Plans for Restoration of Surface:

Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed.

Portions of the pad and reserve pits not required for production facilities will be rehabilitated as indicated in the APD.

If the well is to be abandoned, then all disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

The BLM will be consulted with regard to a suitable seed mixture and then seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

11. Other Information:

A general description of the location is given in the APD.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating

practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural resource clearance has been received for the location, however, if any cultural resources are found during construction, all work will stop and the AO will be notified.

This drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future drilling operations.

JOHN P. LOCKRIDGE OPERATOR, INC.

July 26, 1984

Bureau of Land Management
170 S. 500 E.
Vernal, Utah 84078

Re: Designation of Operator
Federal Lease No. U-28927
Sundry Notice - Change of Operator
Horseshoe Bend Federal #14-27
Section 27-T6S-R22E
Uintah County, Utah

Gentlemen:

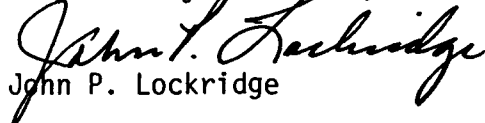
A Designation of Operator, Form 9-1123 is submitted herewith in triplicate for Lease No. U-28927. The lessee, REGAL, USA Inc. has designated John P. Lockridge Operator, Inc. as its operator and local agent for said lease.

A Sundry Notice, Form 9-331, showing "Change of Operator" for the following well for which Calais Resources, Inc. made application to drill at a site on U-28927 is also enclosed:

Horseshoe Bend Federal #14-27, SW SW Section 27-T6S-R22E

Yours approval of the Sundry Notice is requested.

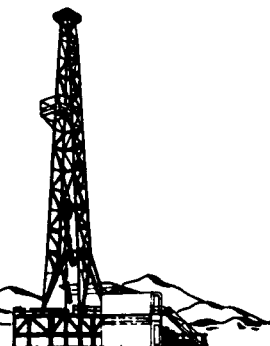
Respectfully submitted,


John P. Lockridge

JPL/sl

cc: Norman C. Stout
Utah Natural Resources
4241 State Office Building
Salt Lake City, Utah 84114

William M. Berryman
Calais Resources, Inc.
Prima Energy Corporation



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas ☒ well ☐ other

2. NAME OF OPERATOR

John P. Lockridge Operator, Inc.

3. ADDRESS OF OPERATOR

80202

1444 Wazee Street, Suite 218, Denver, Co.

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) SW SW 27-T6S-R22E

AT SURFACE:

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) Change of Operator

SUBSEQUENT REPORT OF:

RECEIVED

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

JUL 30 1984

DIVISION OF OIL
GAS & MINING

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

To change the operator from:

Calais Resources, Inc.
c/o William M. Berryman
423 University Building
910 16th Street
Denver, Colorado

to:

John P. Lockridge Operator, Inc.
1444 Wazee Street, Suite 218
Denver, Colorado 80202

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED John P. Lockridge TITLE President

DATE 7/26/84

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: VERNAL, UTAH
SERIAL No.: U-28927

and hereby designates

NAME: JOHN P. LOCKRIDGE OPERATOR, INC.
ADDRESS: 1444 WAZEE STREET, SUITE 218
DENVER, COLORADO 80202

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

T6S, R22E, SLM

Section 22: E $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$

Section 27: All

Containing 880.00 acres, more or less,
Uintah County, Utah

RECEIVED

JUL 30 1984

DIVISION OF OIL
GAS & MINING

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

REGAL USA INC.


G.S. FLETCHER

President, REGAL USA INC.

736 6th Avenue S.W., Suite 1600, Calgary, Alberta
T2P 3T7 CANADA

July 18, 1984

(Date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐
2. NAME OF OPERATOR
John P. Lockridge Operator, Inc.
3. ADDRESS OF OPERATOR
1444 Wazee Street, Suite 218, Denver, Co. 80202
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) SW SW Section 27-T6S-R22E
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐

(other) Submit data on BOP program and rig layout

5. LEASE
U-28927
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Horseshoe Bend Federal
9. WELL NO.
14-27
10. FIELD OR WILDCAT NAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 27-T6S-22E
12. COUNTY OR PARISH
Uintah
13. STATE
Utah
14. API NO.
43-047-31425
15. ELEVATIONS (SHOW DF, KDB, AND WD)
5098' Gr.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

To submit BOP diagram including annulus preventor which was not in original APD; and to submit rig layout sketch for rig now under contract for this location.

RECEIVED

AUG 15 1984

**DIVISION OF OIL
GAS & MINING**

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

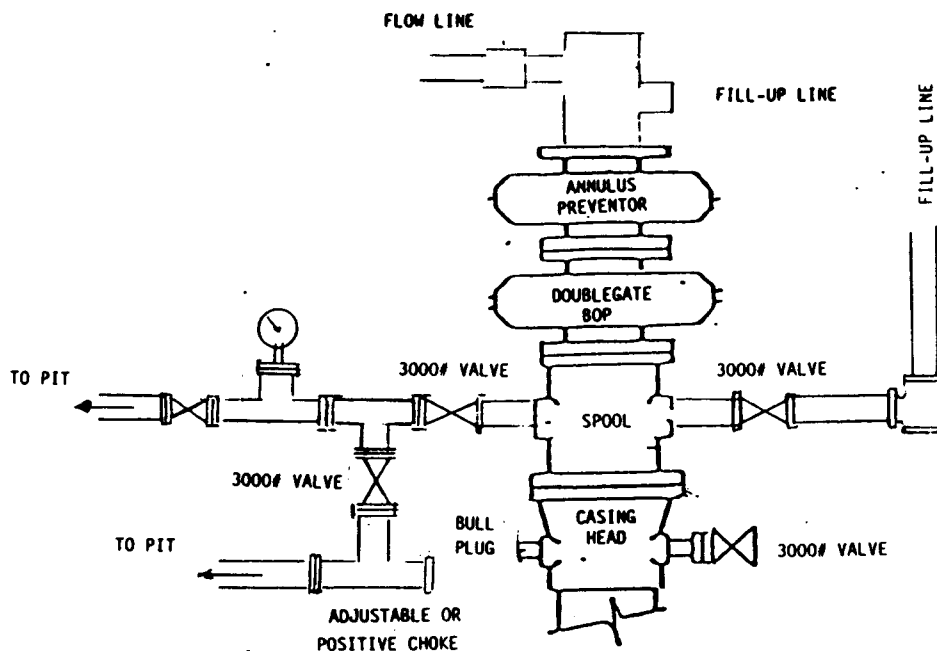
SIGNED John P. Lockridge TITLE President DATE 8/9/84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

EXHIBIT 1

Sketch of Blowout Preventor
3000 psi System



Note: Pipe rams to be operated daily. Blind rams to be operated each trip.

Test Procedure

- 1) Flush BOP's and all lines to be tested with water.
- 2) Run test plug on test joint and seat in casing head (leave valve below test plug open to check for leak).
- 3) Test as following to rated pressure:
 - a) inside blowout preventer
 - b) stand pipe valve
 - c) lines to mud pump
 - d) kill line to BOP's
- 4) Close and test pipe rams to rated pressure.
- 5) Close and test Hydril to rated pressure.
- 6) Back off and leave test plug in place. Close and test blind rams to rated pressure.
- 7) Test all choke manifold valves to rated pressure.
- 8) Test kill line valves to rated pressure.

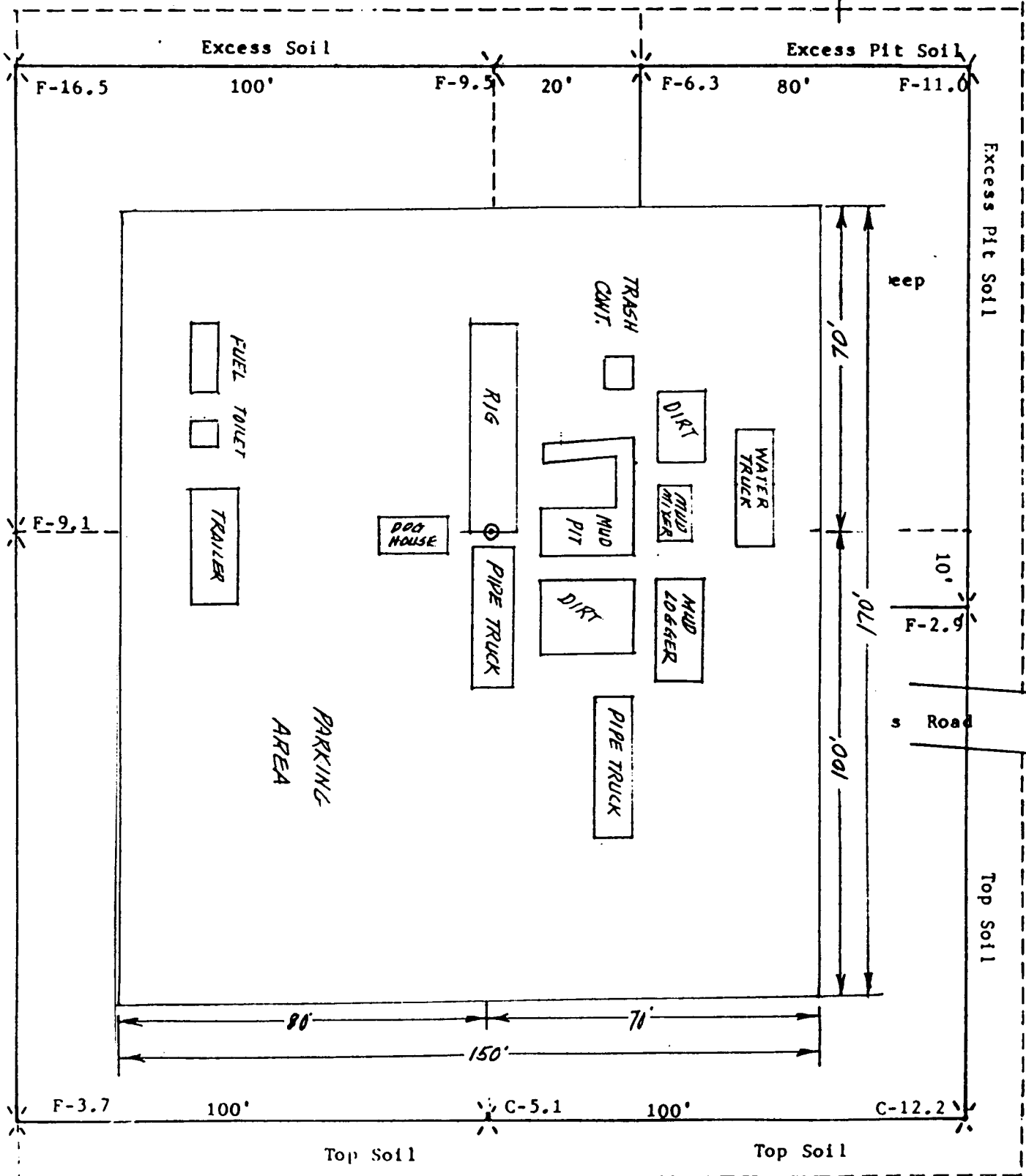
John P. Lockridge Operator, Inc.

Horseshoe Bend Federal

#14-27 Sec. 27, T6S., R22E.

649' FSL. & 821' FWL.

Uintah County, Utah.



Prepared by:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

John P. Lockridge Operator, Inc.

3. ADDRESS OF OPERATOR

1444 Wazee Street, Suite 218, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface
649' FSL, 821' FWL (SW SW) Section 27-T6S-R22E

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15 miles south of Vernal, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

649'

16. NO. OF ACRES IN LEASE

880

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

NA

19. PROPOSED DEPTH

3475'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5098' Gr.

22. APPROX. DATE WORK WILL START*

9/1/84

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	200'	Circ. to surface sufficient to seal all productive zones
7 7/8"	5 1/2"	15.5#	3475'	

See attached:

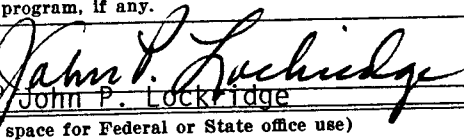
- 1) Ten Point Drilling Program
- 2) Multipoint Surface Use and Operation Plan
- 3) Cultural Resource Survey Report

John P. Lockridge Operator, Inc. will accept all conditions of approval as set forth for Calais Resources, Inc.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED



TITLE

President

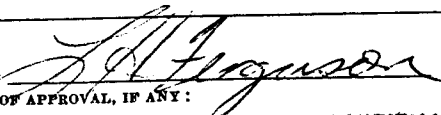
DATE

8/15/84

PERMIT NO.

APPROVAL DATE

APPROVED BY



TITLE

DISTRICT MANAGER

DATE

8/23/84

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

NOTICE OF APPROVAL

*See Instructions On Reverse Side

Div. Oil, Gas & Mining

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

DIVISION OF OIL
GAS & MINING

1. oil ☐ well gas ☒ well other

2. NAME OF OPERATOR
John P. Lockridge Operator, Inc.

3. ADDRESS OF OPERATOR
1444 Wazee Street, Suite 218, Denver, Co. 80202

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) SW SW Section 27-T6S-R22E
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

☐
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☐
☐
☐
☐
☐
☐

(other) Change of hole and casing size

5. LEASE
U-28927

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Horseshoe Bend Federal

9. WELL NO.
14-27

10. FIELD OR WILDCAT NAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 27-T6S-R22E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.
43-047-31425

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5098' Gr.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Size of hole	Size of Casing	Weight Per Foot	Setting Depth	Quantity of Cement
6 3/4"	4 1/2"	10.5#	3475'	Circulate sufficient to seal all productive zones.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED John P. Lockridge TITLE President DATE 8/24/84

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 8/28/84
BY: John R. Beyer

Federal approval of
this action is required

JOHN P. LOCKRIDGE OPERATOR, INC.

August 24, 1984

Bureau of Land Management
170 S. 500 E.
Vernal, Utah 84078

Re: Sundry Notices
14-25 Horseshoe Bend Federal
14-27 Horseshoe Bend Federal
14-35 Horseshoe Bend Federal
Uintah County, Utah

RECEIVED

AUG 27 1984

DIVISION OF OIL
GAS & MINING

Gentlemen:

Sundry Notices for the wells captioned above are enclosed for your approval.

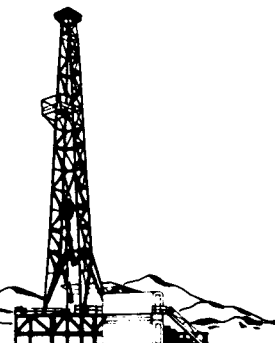
Your prompt consideration and approval of these notices will be appreciated.

Sincerely,


John P. Lockridge

JPL/sl

cc: Arlene, Utah Department of Natural Resources ✓



DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API #43-047-31425

NAME OF COMPANY: JOHN P. LOCKRIDGE

WELL NAME: FED. 14-27

SECTION SWSW TOWNSHIP 6S RANGE 22E COUNTY Uintah

DRILLING CONTRACTOR _____

RIG # _____

SPODDED: DATE 10-6-84

TIME 9:00 AM

How Dry Hole Digger

DRILLING WILL COMMENCE 245' - 8 5/8" Casing

REPORTED BY Curlie Grimlie

TELEPHONE # 789-4200

DATE 10-9-84 SIGNED RJF

JOHN P. LOCKRIDGE OPERATOR, INC.

October 8, 1984

Bureau of Land Management
170 S. 500 E.
Vernal, Utah
84078

RECEIVED

OCT 12 1984

**DIVISION OF OIL
GAS & MINING**

Re: Sundry Notice
Notification of Spud Date
#14-27 Horseshoe Bend Federal
Uintah County, Utah

Gentlemen:

A Sundry Notice for the captioned well is enclosed. Your prompt consideration and approval of this notice will be appreciated.

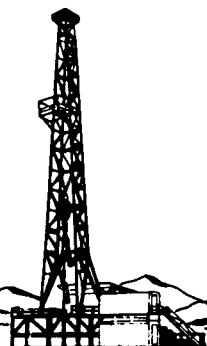
Yours truly,


John P. Lockridge

JPL/sl

Enclosure

cc: Norm Stout
Utah Department of Natural Resources



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas ☒ well ☐ other

2. NAME OF OPERATOR
John P. Lockridge Operator, Inc.

3. ADDRESS OF OPERATOR 80202
1444 Wazee Street, Suite 218, Denver, CO

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
SW SW Section 27-T6S-R22E

AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other)	Notification of spud date	

5. LEASE
U-28927

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Horseshoe Bend Federal

9. WELL NO.
14-27

10. FIELD OR WILDCAT NAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 27-T6S-R22E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.
43-047-31425

15. ELEVATIONS (SHOW DF, KDB, AND WD)
Gr.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilling of the subject well was commenced 10-6-84. Drilled 12½" hole to 260' with spudder rig. Ran 6 joints, 8 5/8", 24", 80 rd, FTC casing to 245' (Gr), and cemented with 125 sacks. Good circulation of cement to surface. Plug down at 4:00 pm, 10-6-84.

RECEIVED

OCT 12 1984

DIVISION OF OIL
GAS & MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED John P. Lockridge TITLE President DATE 10-8-84
John P. Lockridge

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

John P. Warridge 11/20/84
#14-27
SW SW Sec 27, 6S, 21E

TB /
4 1/2" @ 3636'
perftd + tstd 5 zones

P & A
Orders from BLM, Ternal
Charlie Grunle; John P. Warridge

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

13

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.						5. LEASE DESIGNATION AND SERIAL NO. H-28927	
3. ADDRESS OF OPERATOR 1444 Wazee Street, Suite 218, Denver, Colorado 80202						7. INDIAN, ALLOTTEE OR TRIBE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 649' FSL, 821' FWL (SW SW) Section 27-T6S-R22E At top prod. interval reported below At total depth						8. AGREEMENT NAME	
14. PERMIT NO. API# 43-047-31425						9. WELL NO. 14-27	
DATE ISSUED 8/23/84						10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DATE SPUDDED 10/5/84						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 27-T6S-R22E, SLM	
16. DATE T.D. REACHED 10/26/84						12. COUNTY OR PARISH Uintah	
17. DATE COMPL. (Ready to prod.) ABD. 11/21/84						13. STATE Utah	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5098' Gr; 5103' KB						19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 3649'		21. PLUG, BACK T.D., MD & TVD P.B. to surface		22. IF MULTIPLE COMPL., HOW MANY* ----		23. INTERVALS DRILLED BY A11	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Welex Dual Induction Guard log and Density/Neutron						27. WAS WELL CORED	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
8 5/8"	24	245	12 1/4"	125 sacks		----	
4 1/2"	10.5	3639	6 3/4"	350 sacks		----	
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
					SIZE	DEPTH SET (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number)							
3168-3171 & 3180-3182							
3284-3290 All intervals with 3 1/2" casing							
3335-3348 gun, 2 jet shots per foot.							
3468-3482							
3541-3548							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
3486-3482				100 gals. 7 1/2% HCL			
33.* PRODUCTION							
DATE FIRST PRODUCTION ABD.		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in) D+H	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS Well history, E-logs, mud log							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED John P. Lockridge		TITLE President			DATE 11/27/84		

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 39.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
No cores or drill stem tests				Uinta Uinta "B" marker	surface	
					3148'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-28927

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Horseshoe Bend Federal

9. WELL NO.

14-27

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

27-T6S-R22E SLM

12. COUNTY OR PARISH 13. STATE

Uintah

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER Dry Hole

2. NAME OF OPERATOR

John P. Lockridge Operator, Inc.

3. ADDRESS OF OPERATOR

1444 Wazee Street, Suite 218, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)

At surface

649' FSL, 821' FWL (SW SW) Section 27-T6S-R22E

14. PERMIT NO.

API 43-047-31425

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5098' Gr., 5103' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

X

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

An attempt was made to complete this well in lower Uinta sandstones through the following perforations in 4½" casing:

3168-3171; 3180-3182

3284-3290

3335-3348

3468-3482

3541-3548

Bridge plugs were set at 3520' and 3440'.

A 20 sack cement plug was set from 3383-3103'. A 25 sack cement plug was set from 3103-2884'. Tagged top of cement at 3079; and put complete weight of tubing on cement.

Filled 4½" casing from 345' to surface.

All plugs witnessed by USGS representative, Jerry Kenczka

RECEIVED
DEC 03 1984

18. I hereby certify that the foregoing is true and correct

SIGNED

John P. Lockridge

TITLE President

DIVISION OF

OIL, GAS & MINING

DATE 11/26/84

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED
APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

*See Instructions on REVERSE

DATE 12/13/84
BY: [Signature]

DAILY REPORT

Lockridge et al #14-27 Horseshoe Bend Federal

Location: SW SW Section 27-T6S-R22E

Uintah County, Utah

Elevation: 5098' Gr.

Contractor: Western Well Drilling Rig #D3

Report Date	Activity
10/6/84 10/7/84	Spud surface hole at 5:00 PM, 10/5/84. Drilling at 75'. Drilled 12¼" hole to 260'. Ran 6 jts, 8 5/8", 24# new surface casing to 245'. Cemented with 125 sacks. Good returns. Plug down at 4:00 PM, 10/6/84. Shut well in for night. Waiting on rotary tools.
10/8/84 10/18/84	Waiting on rotary tools. Move in, rig up, Western Well Drilling Rig #D3. Install Acme 6" X 3000# BOP and Hydrill.
10/19/84 10/20/84 10/21/84 10/22/84	Drilling at 772'. Drilling at 1666'. Drilling at 2150'. Drilling at 2518'.
10/23/84 10/24/84	Drilling at 2820'. No shows, no breaks. Drilling at 3126'. Gas Show #1 2848'-2850' Drilling rate 4.5 2.0 4.5 Gas 1 3 1 Gas show #2 2863'-2871' Drilling rate 4.25 2.0 4.25 Gas 1 2 1
10/25/84	Drilling at 3336'. Gas Show #3 3161-3163' Drilling rate 4 1.5 3.5 Gas 1 4 1 Gas Show #4 3270-3272' Drilling rate 5 2.75 4 Gas 1 2 1 Gas Show #5 3331-3333' Drilling rate 4.25 2 4 Gas 1 9 1
10/26/84	Drilling at 3549'. Gas Show #6 3466-3470' Drilling rate 4.5 2.5 5 Gas 1 4 1 Gas Show #7 3537-3539' Drilling rate 6.5 4 6 Gas 1 13 2
10/27/84	Drilling to 3649'. T.D. at 3649', at 9:15 PM, 10/26/84. Gas Show #8 3569' - 3570' Drilling rate 5 3 7 Gas 2 4 2 Gas Show #9 3574' - 3578' Drilling rate 5 3/4 4 5½ Gas 2 13 3 Gas Show #10 3604' - 3608' Drilling rate 11½ 4½ 8 Gas 2 10 3 Gas Show #11 3631' - 3633' Drilling rate 9 5½ 9 Gas 3 12 3
10/28/84 10/29/84	Rig up Welex. Ran DIL with Gamma Ray and Neutron Density log. Ran 93 joints, 4½", 10.5# new casing. Total footage = 3639'. Cement with 350 sacks. Plug down at 3:00 AM, 10/29/84.
10/30/84	Remove BOP. Install 8 5/8" nipple to ground level. Install 8 5/8" X 4½" casing head. Set slips. Install cap on 4½" casing. Rig down rotary tool. Shut in, waiting on completion rig.

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DEC 03 1984

DIVISION OF
OIL, GAS & MINING

Report Date	Activity
11/14/84	Move in, rig up, Western Oil Well Service Rig #25. Rig up Oil Well Perforators and perforate 3541' - 3548', with 3½" casing gun, 2 jet shot per foot. Total 15 holes. Swab 5 runs. Recover tubing capacity. No fluid or gas entry in last 2 runs. Shut well in, shut down for night. 7:00 AM, 11/14/84, no pressure on well, gas too small to measure.
11/15/84	SITP - Too small to measure on gauge. Slight blow of gas. Rig up Oil Well Perforators. Set bridge plug at 3520'. Perforate from 3468' - 3482'. Total of 14'. 3½" casing gun, with 2 jet shot per foot. Total of 29 holes. Swab, well dry after 3 runs. Slight show of gas. Gas too small to measure. Estimated 5 MCF/D. Shut well in, shut down for night.
11/16/84	SITP 900#. Acidized from 3468' - 3482' with 100 gals. 7½% acid. Swabbed, well was dry in four runs. Small amount of gas, estimated 7-10 MCF/D. Rigged up Oil Well Perforators. Set bridge plug at 3440'. Perforated from 3335' to 3348' (Total of 13') with 3½" casing gun, 2 jet shots per foot, total of 27 holes. Set packer at 3300'. Shut well in for night 7:00 AM, 11/16/84 No pressure, swabbing.
11/17/84	SITP - 0 Filled tubing with 2% KCL water. Breakdown formation, breakdown pressure 2000-1000 psi. Swab, no gas or fluid entry. Rig up Oil Well Perforators. Perforate 3284'-3290' = 6', with 3 1/8" casing gun, 2 jet shots per foot. Total 13 holes. Set retrievable bridge plug at 3320, and packer at 3234'. Swab well dry in 2 runs, made 4 more runs, no fluid or gas entry. Shut well in.
11/18/84	SITP - 0 Swab, no fluid entry, no gas. Load tubing and break down formation with 2% KCL water. Break down pressure 2000-1600 psi. Injection rate 2 bbl per min. Swab well dry, no fluid or gas entry. Rig up Oil Well Perforators. Perforate 3168' - 3171' and 3180' - 3182', with 3 1/8" casing gun, 2 jet shots per foot. Total 12 holes. Set retrievable bridge plug at 3234' and packer at 3108'. Swab well dry, no fluid or gas entry. Load tubing with 2% KCL water. Break down formation with 5 bbls KCL water. Break down pressure 2400-1800 psi. Injection rate 2 bbls per minute. Swab well dry, no fluid or gas entry. Shut well in, shut down for night.
11/19/84	Shut in 7:00 AM 7/19/84 SITP - 0 No fluid Preparing to plug and abandon.
11/20/84	Rig up Halliburton and plug from 3383'-3103' with 20 sacks cement. Plug 135'-385' with 30 sacks of cement. Waiting on cement Shut well in for night.
11/21/84	Bleed SIP. Remove BOP and tubing head. Plug 4½" casing from 345' to surface. Cap well. Rig down Western Oil Well Service Rig #25. All plugs witnessed by USGS representative Jerry Kenczka. FINAL REPORT

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
INSPECTION RECORD

111887

P&A
'84

43.047.31425

Operator John P. Lockridge

Lease Fed. U-28927

Contractor Buist Const.

Well No. 14-27

Location sw/sw Sec. 27 T. 6s R. 22e

Field Horse Shoe Bend

County Uintah State Utah

Operation: Drilling ☐
Workover ☐
Completion ☐
Abandonment ☒
Producing ☐
Other ☐

Individual Well Inspection

General:

Well Sign ☐ BOP ☐ Pollution control ☒
Housekeeping ☐ Safety ☐ Surface use ☒ Marker ☒
Location ☒

Remarks: P&A loc. has been restored

Lease and Facilities Inspection

Facilities inspected:

Identification	<input type="checkbox"/>	Pollution control	<input type="checkbox"/>
Housekeeping	<input type="checkbox"/>	Pits and ponds	<input type="checkbox"/>
Measurement facilities	<input type="checkbox"/>	Water disposal	<input type="checkbox"/>
Storage and handling facilities	<input type="checkbox"/>	Other	<input type="checkbox"/>

Remarks:

Action:

Name Glenn Goodwin

Title Inspector

Date 12/7/84

Use: ☒ for yes or satisfactory
x for no or unsatisfactory
NA for not applicable

April 5, 1984



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

December 12, 1984

John P. Lockridge Operator, Inc.
1444 Wazee Street, Suite 218
Denver, Colorado 80202

Gentlemen:

Re: Well No. Horseshoe Bend Federal 14-27 - Sec. 27, T. 6S., R. 22E.
Uintah County, Utah - API #43-047-31425

According to the "Well Completion Report" submitted November 27, 1984 on the above referred to well this well is plugged and abandoned. This office has not received the "Sundry Notice" of subsequent abandonment on this well.

Please complete and return the enclosed Form OGC-1b, "Sundry Notices and Reports on Wells" as soon as possible but not later than January 12, 1984.

Thank you for your prompt attention to this matter.

Sincerely,

Claudia L. Jones
Well Records Specialist

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0017S/22

JOHN P. LOCKRIDGE OPERATOR, INC.

January 17, 1985

Bureau of Land Management
170 S. 500 E
Vernal, Utah 84078

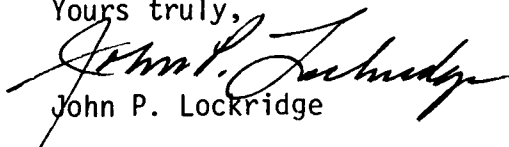
Re: John P. Lockridge Operator, Inc.
#32-3 Horseshoe Bend Federal
SW NE Section 3-T7S-T22E
Uintah County, Utah
Sundry Notice

Gentlemen:

Enclosed is a Sundry Notice for the captioned well reporting the rehabilitation of the location.

Your consideration and approval of this Sundry Notice will be appreciated.

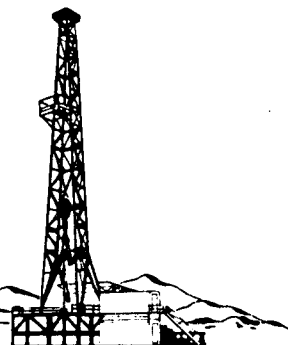
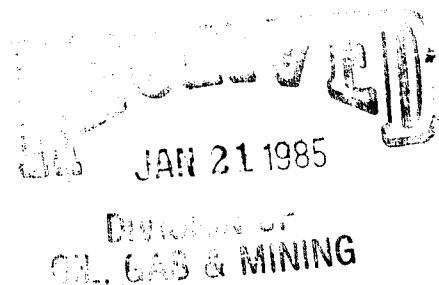
Yours truly,


John P. Lockridge

JPL/s1

Enclosure

cc: State of Utah
Division of Oil Gas and Mining



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLI
(Other instructions
verse side)

E-
re-

Budget Bureau No. 1004-0135
Expires August 31, 1985

3

13

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Dry Hole		5. LEASE DESIGNATION AND SERIAL NO. U-28927	
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 1444 Wazee Street, Suite 218, Denver, Colorado 80202		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 649' FSL, 821' FWL (SW SW) Section 27-T6S-R22E		8. FARM OR LEASE NAME Horseshoe Bend Federal	
14. PERMIT NO. API 43-047-31425		9. WELL NO. 14-27	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5098' Gr, 5103' KB		10. FIELD AND POOL, OR WILDCAT	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR ARMA 27-T6S-R22E, SLM	
		12. COUNTY OR PARISH Uintah	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) Location Rehabilitation

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Dry hole marker constructed

Location and road rehabilitated to grade. Top soil replaced.

Seeding will be done in Spring, 1985.

RECEIVED
JAN 21 1985

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

John P. Lockridge

TITLE President

DATE 1/17/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side